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DATE: Friday, March 19, 2004

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	<i>DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L7	L6 and 424/401.ccls.	4
<input type="checkbox"/>	L6	(body adj1 scrub)	80
<input type="checkbox"/>	L5	(body adj1 scrub) adj3 walnut	0
<input type="checkbox"/>	L4	L1 and methylparaben	5
<input type="checkbox"/>	L3	L1 and (propyl adj1 gallate)	0
<input type="checkbox"/>	L2	L1 and antioxidant\$	10
<input type="checkbox"/>	L1	body adj3 scrub\$	445

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L5: Entry 12 of 13

File: USPT

Sep 25, 2001

US-PAT-NO: 6294179

DOCUMENT-IDENTIFIER: US 6294179 B1

TITLE: Method of exfoliating skin

DATE-ISSUED: September 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Robert Stanley	Merseyside			GB
Serridge; David	Merseyside			GB

US-CL-CURRENT: 424/401; 510/109, 510/130, 510/139

CLAIMS:

What is claimed is:

1. A method of exfoliating skin, wherein said method comprises:

(a) applying to said skin a liquid composition comprising

(i) water;

(ii) 5 to 20 wt. % of an anionic surfactant selected from the group consisting of alkyl ether sulfates, acyl isethionates, alkyl sulfosuccinates, alkyl amido sulfosuccinates, alkyl glyceryl ether sulphonates, methyl acyl taurates, alkyl phosphate esters, acyl sarcosinates, and mixtures thereof;

(iii) a cosurfactant selected from the group consisting of betaines, amidopropyl betaines, amidopropyl sultaines and mixtures thereof;

(iv) abrasive particles having a mean diameter of 40 to 400 micrometers and a bulk density of 1 to 4; and

(v) a viscosifer;

wherein the composition has a viscosity in the range 4000-8000 mPas measured at a shear rate of 10 s.sup.-1 ;

wherein said composition is in rod micellar phase: and

wherein ratio of viscosity at 1 Hz:10 Hz is between 2 and 5;

- (b) washing the skin with the composition; and
- (c) rinsing the composition off the skin.

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<input type="checkbox"/>	L5	(scrub\$ same salt\$) and 424/401.ccls.	13
<input type="checkbox"/>	L4	L1 and 424/401.ccls.	23
<input type="checkbox"/>	L3	exfoliat\$ adj5 salt\$	29
<input type="checkbox"/>	L2	L1 and percent\$	145
<input type="checkbox"/>	L1	exfoliat\$ same salt\$	337

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L4: Entry 5 of 5

File: USPT

Sep 12, 2000

DOCUMENT-IDENTIFIER: US 6117118 A

**** See image for Certificate of Correction ****

TITLE: Process for bleaching chemically tanned skin and discolored nails

Detailed Description Text (33):MethylparabenDetailed Description Text (42):MethylparabenDetailed Description Text (116):MethylparabenDetailed Description Text (128):

The above-described composition is marketed as Nature Bath Walnut Shell Body Scrub by Nature Cosmetics, Inc., Rancho Cucamonga, Calif.

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L6: Entry 28 of 80

File: USPT

Sep 21, 1982

DOCUMENT-IDENTIFIER: US 4350681 A

TITLE: Stabilized benzoyl peroxide compositions

Abstract Text (1):

Benzoyl peroxide dispersed in an aqueous medium is stabilized by the presence of glycerol. Where the composition includes a finely dispersed and mild abrasive, together with a wetting agent and a thickener, the composition is suitable for use as a toothpaste. Where the composition includes a suitably large quantity of wetting agent and an appropriate soft abrasive, the composition is effective as a body scrub in preparation for surgery.

Brief Summary Text (7):

Compositions containing from 1 to 30 weight % of benzoyl peroxide, and 5 to 50 volume % of glycerol in an aqueous medium are useful as a toothpaste and as a body scrub in preparation for surgery. Where the composition contains a pharmaceutically-acceptable wetting agent and a finely dispersed abrasive together with a thickener, the composition is effective for the removal of plaque from teeth. Where the composition contains a substantially greater content of wetting agent and granular polyethylene as abrasive, the composition is suitable for a body scrub.

Brief Summary Text (10):

A further object of the present invention is a composition comprising benzoyl peroxide and glycerol for stabilizing same, said composition containing a substantial quantity of a wetting agent and an extremely mild abrasive, such a composition being suitable as a body scrub in preparation for surgery.

Detailed Description Text (2):

Aqueous compositions containing from 1 to 30 weight % of benzoyl peroxide are stabilized by the incorporation of from 5 to 50 volume % of glycerol. The most useful compositions so far as toothpastes and body scrubs are concerned contain from 1 to 5 weight % of benzoyl peroxide and from 12 to 30 volume % of glycerol. Where the composition is to be used as a toothpaste, the benzoyl peroxide content should be from about 1.2 to about 1.8 weight % and the glycerol content should be from about 20 to about 30 volume %. In addition, the composition should contain from 25 to 35 weight % of a mild abrasive and from 1 to about 3.5 volume % of a wetting agent. The preferred thickener is carboxyvinyl polymer having a molecular weight of about 4,000,000 and sold under the name of Carbopol 940 by B. F. Goodrich. The preferred wetting agent is sodium lauryl sulfonate. Optionally, up to about 0.7 weight % of sodium saccharin may be added as a sweetener and up to about 1 weight % of flavor. Also, up to about 0.05 weight % of coloring material such as a dye may be added. Following are three toothpaste compositions exemplifying the present invention.

Detailed Description Text (14):

With respect to body scrub solutions, these are conventionally used for "scrubbing-up" prior to surgery. Such solutions are used on the hands and arms of the surgeons who are about to participate in a surgical procedure and on the body of the subject. Compositions to be used as body scrubs comprise from 2 to 4 weight % of benzoyl peroxide, from 12 to 18 volume % of glycerol, up to 8 volume % of propylene

glycol, from 1 to 4 weight % of thickener, from 12 to 20 volume % of wetting agent, and from 0.20 to 0.28 weight % of alkali in an aqueous medium. The preferred wetting agent is a solution consisting essentially of 3 parts of ammonium lauryl sulfonate and 1 part of long chain imidazoline zwitterion. Also, the composition may contain up to 0.05 weight % of dye as coloring material, up to 1.5 weight % of ground mica for luster, up to 0.1% of perfume oil and up to 15 weight % of microthene (granular polyethylene) for abrasion. Following is a sample composition:

CLAIMS:

1. A stabilized benzoyl peroxide composition, comprising from 1 to 30 weight % of benzoyl peroxide, from 5 to 50 volume % of glycerol and from 25 to 35 weight % of a mild abrasive in an aqueous medium, said composition being useful in toothpastes and as a body scrub.

2. A stabilized benzoyl peroxide composition, as claimed in claim 1, wherein said composition comprises from 1 weight % to 5 weight % of benzoyl peroxide and from 12 to 30 volume % of glycerol, said composition being useful in toothpastes and as a body scrub.

9. A stabilized benzoyl peroxide composition as claimed in claim 1, wherein said composition comprises from 2 to 4 weight % of benzoyl peroxide, from 12 to 18 volume % of glycerol, up to 8 volume % of propylene glycol, from 1 to 4 weight % of thickener, from 12 to 20 volume % of wetting agent, and from 0.20 to 0.28 weight % of alkali in an aqueous medium, said composition being useful as a body scrub.

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L7: Entry 3 of 4

File: USPT

Oct 30, 2001

US-PAT-NO: 6309655

DOCUMENT-IDENTIFIER: US 6309655 B1

TITLE: Self-indicating cosmetic composition

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minnix; Cindy	Batavia	OH		

US-CL-CURRENT: 424/401; 510/130, 510/418, 514/844, 514/846

CLAIMS:

What is claimed is:

1. A non-oil based anhydrous cosmetic composition comprising:

i) an anhydrous self-heating component that releases heat when brought into contact with water;

ii) self-indicating disintegrating granules comprising:

a) a water-insoluble polymer; and

b) a colorant; and

iii) an anhydrous water-miscible vehicle;

wherein said composition contains no more than 5 wt % water.

2. The cosmetic composition according to claim 1, wherein said disintegrating granules before incorporated in the cosmetic composition have a compression strength of 0.01-0.5 kgf/mm and a particle size of 100-2,000 .mu.m, and the primary particles thereof have an average particle size of at most 100 .mu.m.

3. The cosmetic composition of claim 1, wherein said self-indicating disintegrating granules further comprises a binder.

4. The cosmetic composition of claim 3, wherein said binder is comprised of a water-soluble binder.

5. The cosmetic composition according to claim 1, wherein said water-insoluble polymer is

selected from the group consisting of polyethylene, polystyrene, polyester, polyvinyl chloride, polyamide, polypropylene, nylon, polyvinylidene fluoride, polyurethane, acrylic resins, polysiloxane, crystalline cellulose, starch and derivatives thereof, silica, alumina, talc, kaolin, titanium oxide, zinc oxide, quartz and calcium phosphate.

6. The cosmetic composition according to claim 3, wherein said binder is selected from the group consisting of ethyl cellulose, acetyl cellulose, nitrocellulose, hydroxymethyl cellulose, hydroxyethyl cellulose, hydroxypropyl cellulose, polyvinyl pyrrolidone, polyvinyl acetate and polyvinyl alcohol.

7. The cosmetic composition according to claim 3, wherein said water-insoluble polymer is comprised of polyethylene, and said binder comprises hydroxypropyl cellulose.

8. The cosmetic composition according to claim 3, wherein said self-indicating disintegrating granules are incorporated in an amount of 0.1-5 wt. % based on the total weight of the composition.

9. The cosmetic composition of claim 1, wherein said anhydrous water-miscible vehicle is selected from the group consisting of ethylene glycol, diethylene glycol, triethylene glycol, polyethylene glycol; propylene glycol, dipropylene glycol, polypropylene glycol; butylene glycol, glycerol, diglycerol, higher polyglycerols; sugar alcohols, adducts of glycerols with ethylene oxide or propylene oxide; adducts of sugar alcohols with ethylene oxide or propylene oxide; galactose, fructose, ethylene oxide adducts of galactose, propylene oxide adducts of galactose, ethylene oxide adducts of fructose, propylene oxide adducts of fructose, maltose, lactose, sodium pyrrolidonecarboxylate, polyoxyethylene methylglucosides and a mixture thereof.

10. The cosmetic composition of claim 1, wherein said anhydrous water-miscible vehicle comprises butylene glycol.

11. The cosmetic composition of claim 1, wherein said composition is a cleansing composition.

12. The method of claim 1, wherein said composition is a moisturizing composition.

13. The cosmetic composition of claim 1, wherein said composition comprises .ltoreq.2.5 wt. % water, if any.

14. The cosmetic composition of claim 1, wherein said composition comprises .ltoreq.1.0 wt. % water, if any.

15. The cosmetic composition of claim 1, wherein said self-indicating disintegrating granules are comprised of primary particle of water-insoluble polymer, a colorant and a binder.

16. The cosmetic composition of claim 1, wherein said self-indicating disintegrating granules are comprised of a matrix of water-insoluble polymer in which colorant is entrapped.

17. A method comprising sequentially:

i) moistening skin;

ii) applying the cosmetic composition of claim 1 to said moistened skin;

- iii) physically manipulating said cosmetic composition;
- iv) detecting a color change in said cosmetic composition; and
- v) removing said cosmetic composition.

18. The method of claim 17, wherein said skin is facial skin.

19. The method of claim 17, wherein said skin is foot skin.

20. The method of claim 17, wherein said skin is body skin other than facial skin.